

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** September 1, 2005

**Inspector:** Don Ukers

**Location:** 115 kV Underground Route

**Storm/**

**Rain Event:** The area has received up to 0.37" of precipitation over 8/30-8/31 in some locations since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Work in the <b>Bethel Educational Park</b> is largely completed. Restoration measures were in place 9/1/05	-See erosion control section for specifics. 9/1/05
<b>Hoyts Hill Transition Structure</b>	- A few piles of materials remain here at the edge of the access road and Rt. 58. 8/25-9/1/05	- See erosion control section for site specific information. 9/1/05
<b>Gallows Hill Road and Rt. 107, Redding</b>	-Now that infrastructure is complete in the roadways, crews are in the manholes to perform duct proofing. 8/25-9/1/05 - Several crews continue actively trenching in Rt. 107. 9/1/05	- Restoration efforts continue to be noted in locations. See erosion control and additional sections for more specific information. 9/1/05
<b>Rt. 58, Bethel</b>	- Trench/conduit installation was occurring along Rt. 58 in several locations including in the vicinity of Stecks Nursery, the Sunoco and Putnam Park. 9/1/05	- Activities are fairly well contained to the roadway and additional efforts have been made. See the erosion control and additional sections for more information. 9/1/05

Areas of Inspection	Observation	Recommended Action
<b>Broad Street/ROW and Rt. 7, Norwalk</b>	- A large jacking pit is under construction off Broad St. for the future bore under the railroad. 8/25-9/1/05	-Activities were fairly well contained but see the erosion control section for more information. 9/1/05
	- Work is occurring on a vault dig/installation along Broad Street near the overpass. Stockpiles are being stored in the ROW. 9/1/05	
	- Nightwork continues in a few locations along Rt. 7. 9/1/05	-None at this time. 9/1/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- For the most part, silt fence has been well installed in most locations where the work is located adjacent to wetlands and soils are being handled appropriately. 9/1/05	- Continue to be proactive in maintenance as necessary. See below for site-specific issues. 9/1/05
	- Many repairs and restoration efforts continue to be made. 9/1/05	
<b>Bethel Educational Park</b>	- All disturbed areas within school lawns were showing very good grass growth. 9/1/05	- Continue to place mulch and seed on any areas of disturbed soil. 9/1/05
	- Restoration efforts had also been made along the ROW with mulch placed in several areas. 9/1/05	
	- The ROW near the southern caisson had the recommended repairs made to the silt fence. 9/1/05	- Keep the controls in good repair until the ROW is revegetated. 9/1/05
	- The silt fence near the previous soil stockpile area has been restored and the pile has been removed. 9/1/05	
	- A small silt fence repair is still necessary in an isolated spot and conduit pipe had been placed beyond the silt fence. 9/1/05	- Remove conduits or any additional materials left behind. 9/1/05

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<b>Hoyts Hill Transition Structure (Off Rt. 58)</b>	<p>-The access road and area are cleaned up for the most part. A few piles remained near the street. 8/25-9/1/05</p> <p>- A pile of lumber over the silt fence has been identified as belonging to the owner of the adjacent house.8/25-9/1/05</p>	<p>- Make any necessary repairs to the fence and keep areas maintained. 9/1/05</p> <p>- The siting council suggested that NU could offer to remove the wood/debris for the owner. 8/25-9/1/05</p>
<b>Route 58</b>	<p>- Efforts have been made to protect most catch basins in areas of active work as well as to reduce tracking on the roadways. 9/1/05</p> <p>- Filter fabric in the grate is an acceptable measure when haybales are difficult to maintain.</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, the silt fence had been backed into and required some repair. A few materials were placed against the fence and should be moved away to prevent damage. 9/1/05</p> <p>- Materials/debris were no longer piled beyond the silt fence in the work area. It had been removed as recommended. 9/1/05</p> <p>-The storage area near Sunset Hill road continued to have good controls in place. 9/1/05</p>	<p>-In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly. Place and maintain controls on all catch basins and inlets which may receive muds. 9/1/05</p> <p>-Repair silt fence as needed and continue to keep materials within this area. 9/1/05</p> <p>- None at this time. Continue to view fence as a limit of work and storage area. 9/1/05</p>

Areas of Inspection	Observation	Recommended Action
<b>Gallows Hill Road and Rt. 107 (Lonetown Rd)</b>	<ul style="list-style-type: none"> <li>- Work on the infrastructure of Gallows Hill is complete. Crews are working in the manholes proofing ducts. 9/1/05</li> <li>- Several areas have been mulched either due to silt fence being removed or soil disturbance from the work activities. 9/1/05</li> <li>- Haybales were placed as recommended near #116 to prevent sedimentation from the pull off and they will be staked in the near future. 9/1/05</li> <li>- Most catch basins along Rt. 107 seem to have protection measures in place. Continue to be consistent with measures. 9/1/05</li> <li>- Fabric in the grate is an accepted measure if haybales are difficult to maintain.</li> <li>- Another storage area was identified near the Redding Country Club and has good silt fence controls. 9/1/05</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 9/1/05</li> <li>- None at this time but continue to monitor. Add seed here if necessary. Maintain fence in any areas not yet vegetated including vault #13. 9/1/05</li> <li>- In general, materials should be stored appropriately and not placed into the woods in undesignated storage.</li> <li>- Continue to remain aware of containing mobile slurry and protecting catch basins and inlets. 9/1/05</li> </ul>
<b>Broad Street and Rt. 7, Norwalk</b>	<ul style="list-style-type: none"> <li>- A soil stockpile from the roadwork is being kept in the ROW. Continue to remove any debris and brush from the ROW. 9/1/05</li> <li>- The large jacking pit is in place on Broad St. and is contained. Soil piles were not observed here this week. 9/1/05</li> <li>- Nightwork on Rt. 7 continues. No issues were noted leftover during the day inspection. 9/1/05</li> </ul>	<ul style="list-style-type: none"> <li>- Place silt fence around the pile if it is to remain for any length of time. 9/1/05</li> <li>- Perform regular "good housekeeping" to remove leftover materials and clean up the workspace. 9/1/05</li> <li>- The vac truck approach used at night is a very effective means of handling the muds. Continue to utilize consistently.</li> </ul>
Contaminated Soils	<ul style="list-style-type: none"> <li>- Contaminated soil is being stored and labeled separately from that considered "background polluted". Contaminated soils are eventually brought off site to an O&amp;G facility in Bridgeport. Water from contaminated soils are sent</li> </ul>	<ul style="list-style-type: none"> <li>- All soils appear to be handled appropriately. 9/1/05</li> <li>- It has been determined that the Redding landfill will use all soils from the roadways in Redding that are considered</li> </ul>

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	to frac trucks and tanks Occasionally, soils are being stored temporarily at Redding Yard until they are trucked to Bridgeport or the landfill. 9/1/05	clean, (based on acceptable RSR levels), as daily cover.
Adjacent Wetlands and Waterways	-Additional controls continue to be installed at the Redding Yard in an effort to control the concrete washout area. Fabric was placed appropriately below the check dams to catch discharge from the outlet but need to be expanded. 8/25-9/1/05	- See storage yard section for more information. 9/1/05
Staging, Storage, and Parking Areas	<p>- The concrete storage area for <b>Rt. 7</b> work near the Merritt Parkway cloverleaf still needs some attention. It has to be confirmed if anything was done here to better control concrete discharge. 8/19-9/1/05</p> <p>- In <b>Redding Town Yard</b>, soil excavate is only temporarily stored here until it can be trucked for disposal in the O&amp;G facility in Bridgeport or the Redding landfill.</p> <p>The end of the outlet check dam for the catch basin appeared to need some maintenance 8/25-9/1/05</p> <p>- The storage area for materials, conduit and equipment at the <b>Bethel Educational Park</b> was empty. 9/1/05</p> <p>- The storage yard off Rt. 58 near Putnam Park needed some silt fence maintenance where equipment had backed into it. 9/1/05</p> <p>- The yard at the intersection of Rt. 58 and Sunset Hill Rd remains well contained as does another yard identified near the Redding</p>	<p>- This area is used for 115kV and other O&amp;G projects in the area. It still needs to be reinforced and controlled. 8/19-9/1/05</p> <p>- The concrete bin should continue to be emptied regularly to prevent overflow. The outlet check dams should be lengthened slightly or turned up at the end to prevent any flow around them 8/25-9/1/05</p> <p>-Continue to maintain fence and treat it as limits of work and storage. 9/1/05</p> <p>- None at this time. Continue to maintain and monitor. 9/1/05</p>

Areas of Inspection	Observation	Recommended Action
	Country Club. The RCC has provided permission to use this area. 9/1/05	
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>- Mulching of bare areas is ongoing and should continue and areas should be seeded as necessary, especially the vault areas as they are the largest disturbance. 9/1/05</p> <p>-The ROW in Bethel Ed. Park has experienced some restoration including areas with mulch. This was also evident along Gallows Hill. 9/1/05.</p>	<p>- The D&amp;M plan requires that disturbed areas to be left for more than 21-30 days before work returns here should be temporarily stabilized with mulch or seed within 7-14 days.</p> <p>- Continue to send restoration crews out in time with D&amp;M requirements and seed mulch areas where needed. 9/1/05.</p>
Dewatering	<p>- Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-9/1/05</p> <p>-Active dewatering was noted going to a Fleet Environmental truck on Gallows Hill at one of the vaults 9/1/05</p>	<p>- It appears that the storage and disposal solution will continue due to concerns about the background pollutants in soils, even in those not considered contaminated. 7/21-9/1/05</p> <p>It may be important to determine total daily volumes of water removal and evaluate whether this is a stress to the watershed or not a significant impact. 7/21-9/1/05</p>
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<ul style="list-style-type: none"> <li>- Better controls were needed at the concrete washout area for Rt. 7 nightwork. This should be investigated and confirmed if improvements were made. 9/1/05</li> <li>- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-9/1/05</li> <li>- In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. 9/1/05</li> </ul>	<ul style="list-style-type: none"> <li>-Continue to make sure concrete washouts are restricted to designated areas. 9/1/05</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled.</li> <li>- The contractors should remain vigilant about securing and handling fuel and material containers.</li> <li>- Equipment and materials should not be stored in wooded areas unless it is designated for storage.</li> </ul>
Additional Observations		

**Next likely scheduled inspection:**

Wednesday, September 7, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden for Don Ukers



115 kV (Broad Street): Work on the vault near the overpass is underway. 9/1/05



115 kV (Gallows Hill Road): Photo on the left shows the area near #124 where mulch was placed to help stabilize the area. Photo on the right shows where haybale check dams were added near #116. 9/1/05





115 kV (Rt. 107): View of a new storage area identified near the Redding Country Club. The RCC has give permission to the project to use this area. 9/1/05



115kV (Rt. 58): View of the storage area near the Putnam Park entrance. Materials/equipment were placed up against the fence and should be pulled back. 9/1/05





**115kV (Bethel Education Park): The stockpiles have been removed from the ROW and the silt fence has been repaired. 9/1/05**



**View along the southern portion of the ROW where all the silt fence has been restored and is in good shape. The ROW should be seeded if not already done so. 9/1/05**





**View of the northern portion of the ROW where the silt fence is also in good shape. The ROW should be seeded if not already done so. 9/1/05**



**115kV (Redding Town Yard): View of a concrete truck actively using the concrete washout area in the yard. 9/1/05**